

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP 02/13828

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C07C67/03 C07C69/54

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 072 027 A (KOBAYASHI AKIHIRO ET AL) 10 December 1991 (1991-12-10) column 3, line 60 -column 4, line 62; example 1	1-17
A	EP 0 902 017 A (ROHM & HAAS) 17 March 1999 (1999-03-17) claim 1	1-17
A	EP 0 968 995 A (MITSUBISHI GAS CHEMICAL CO) 5 January 2000 (2000-01-05) cited in the application claim 1; example 1	1-17

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *P* document published prior to the international filing date but later than the priority date claimed

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- *&* document member of the same patent family

Date of the actual completion of the international search

16 May 2003

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28/05/2003

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5072027	A	10-12-1991	JP	2101042 A	12-04-1990
			JP	2101043 A	12-04-1990
			JP	2101044 A	12-04-1990
<hr/>					
EP 0902017	A	17-03-1999	AU	743962 B2	14-02-2002
			AU	8186598 A	11-03-1999
			BR	9803260 A	02-05-2000
			CN	1218023 A	02-06-1999
			DE	69811802 D1	10-04-2003
			EP	0902017 A1	17-03-1999
			JP	11171831 A	29-06-1999
			US	6509494 B1	21-01-2003
			ZA	9807780 A	01-03-1999
<hr/>					
EP 0968995	A	05-01-2000	JP	2000016966 A	18-01-2000
			DE	69902609 D1	02-10-2002
			DE	69902609 T2	30-01-2003
			EP	0968995 A1	05-01-2000
			KR	2000011362 A	25-02-2000
			US	6147252 A	14-11-2000